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P#8

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/694,088

DATE: 08/02/2001
 TIME: 14:21:55

Input Set : A:\28251022003.txt
 Output Set: N:\CRF3\08022001\I694088.raw

ENTERED

4 <110> APPLICANT: Gaudet, Daniel
 5 Rioux, John D.
 6 Arsenault, Steve
 7 Hudson, Thomas J.
 8 Daly, Mark J.
 10 <120> TITLE OF INVENTION: Glycerol As A Predictor of Glucose
 11 Tolerance
 13 <130> FILE REFERENCE: 2825.1022-003
 15 <140> CURRENT APPLICATION NUMBER: US 09/694,088
 16 <141> CURRENT FILING DATE: 2000-10-20
 18 <150> PRIOR APPLICATION NUMBER: US 60/161,141
 19 <151> PRIOR FILING DATE: 1999-10-22
 21 <160> NUMBER OF SEQ ID NOS: 19
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 60
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Unknown ✓
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 32 comprising a polymorphic site at nucleotide
 33 position 13 of exon 3
 35 <400> SEQUENCE: 1
 36 atgccttctt ttgtcaaaga tgggtggaac argaccctaa ggaaattcta cattctgtct 60
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 48
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Unknown ✓
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 46 comprising a polymorphic site at nucleotide
 47 position 17 of intron 8
 49 <400> SEQUENCE: 2
 50 taatggtaaa aaacaaacaa amaaacaaaa aacacaccaa aaaaccaa 48
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 94
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Unknown ✓
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 59 comprising a polymorphic site at nucleotide
 60 position 29 of exon 10
 62 <400> SEQUENCE: 3
 63 ttcattctcc cttcaaccat aggtatggaa caggatgttt ctactatgt ratacaggcc 60
 64 ataagggttg tttttaataa aaatgattaa gtca 94
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 58

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68 <212> TYPE: DNA
 69 <213> ORGANISM: Unknown ✓
 71 <220> FEATURE:
 72 <223> OTHER INFORMATION: Partial nucleic acid sequence of the GK gene ✓
 73 comprising a polymorphic site at nucleotide
 74 position 22 of intron 12
 76 <400> SEQUENCE: 4
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 79 <210> SEQ ID NO: 5
 80 <211> LENGTH: 8079
 81 <212> TYPE: DNA ✓
 82 <213> ORGANISM: Unknown ✓
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: Glycerol kinase gene ✓
 87 <221> NAME/KEY: misc_feature
 88 <222> LOCATION: 2214, 2215, 2216, 2217 OK
 89 <223> OTHER INFORMATION: n = A,T,C or G
 91 <400> SEQUENCE: 5
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 94 gcctcaaaga aggcagtttt ggggccattg gtggggcggt tggaccaggg caccagtctg 180
 95 acgcgctttt tggtagcccc ggggtgacat gtgaagaggc gctgagctgt aaaacgacgg 240
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 97 tttcaattca aaaacagctg aactacttag tcatcatcaa gtagaaataa aacaagagtt 360
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 101 caatattgat atttccaaca taaaagggtat ttagtagaaa tattttacct acatgtaaaa 600
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 109 gtttcttttt ttaaaaaaag tttgcagatt tcaactagaaa gaagcatctt atggtacaat 1080
 110 agttatttga tacaatttat agaattcttt tcccggataa ttgaggcctg taaaacgacg 1140
 111 gccagtttct tttgtttggt ggttttgttt taaactgtta cacttttcat ttgctaactg 1200
 112 aacttcacaa ctgcttttag tccaagacag gccttccact tagcacttac ttcagtgcag 1260
 113 tgaaacttcg ttggctcctt gacaatgtga gaaaagtcca aaaggccggt gaagaaaaac 1320
 114 gagctctttt tgggactatt gattcatggc ttatttgggt atgtttaaat ataattgata 1380
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 117 ttaacaatat gtaaatataa ttgccaataa gtacaaattt aacctgattt ttttactctg 1560
 118 cctagagttt gacaggagga gtcaatggag gtgtccactg tacagatgta acaaatgcaa 1620
 119 gtaggactat gcttttcaac attcattctt tggaatggga taaacaactc tgcgagtaag 1680
 120 ttctgttttg ctctaaatat agttttccca atacactacc tatttataac cgaaatctta 1740
 121 atattttcag atgtcagtgg agcatgtaaa acgacggcca gtacagtgtt aaatacccaa 1800
 122 tcttcttgtt ttccagattt tttggaattc caatggaaat tcttccaaat gtccggagtt 1860

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W--> 123 cttctgagat ctatggccta atggtaaaaa acaacaaam aaacaaaaaa cacacaaaa 1920
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 125 tactattcat aattcaaaaag tcaactgtgt tatgttttgt gacttaaaaa ctttacagtc 2040
 126 ctttttacaa tggaaagctg gggccttgga aggtgtgcca atatctggg taagtttcat 2100
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 128 tcagtgtgcc tcttttttaa ctagggaata caagtaaaag ttgcaaaatt ggaahhntct 2220
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 131 gccaaatgga gaaatgcaa ggaaatagac agttcattct ttgataaata aaaaatgaaa 2400
 132 aataaatcct atggctcttc taaaagaaa gttaatacta ttgtattagt cagtgttctt 2460
 133 tattgtcatt tatactttca gtgtttagg gaccagtctg ctgcattggg gggacaaatg 2520
 134 tgctccaga ttggacaagc caaaaatacg tgagttaaag aaacagactt aaaaaccaat 2580
 135 gctgttttgt tttttctact tgggtctttg aataaggaaa agcttttgaa gttcatccag 2640
 136 gatgaaaatc aatagcttaa tagctccaat atgcataat acacttttta ccattttttt 2700
 137 atatctttaa ataaaataca aaatgccata tatatgcaca ctgatgaagc ttataaagac 2760
 138 ctaaatttgt aggtctggcg cggttatttg ctttcaataa aattgtcttc tattcattct 2820
 139 cccttcaacc ataggtatgg aacaggatgt ttcttactat gtratacagg ccataagggt 2880
 140 ggttttttaa attaaaaaat tgatttaaaa gtctaagttc atctaataa tgcttgaaca 2940
 141 taatttacta ttaacaaact tttagtcttt agcttttact taatctttat cagggtttta 3000
 142 tttagagctc aatacaaaat ttgaatcgtt ctaataagaa ccattttaga ctctttgaat 3060
 143 tttatatgtg tgtttttaat tgtgctggg ggaaatctag actgagacct catcaaattc 3120
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 146 tttgtaccta tgttatttta actttaaaaa aaagtctca tgttatcttt tcaattttcca 3300
 147 ctactgaaat cttttttttt tctttcttac agtgtgtatt ttctgatcat ggccttctca 3360
 148 ccacagtggc ttacaaactt ggcagagaca aaccagtata ttatgctttg gaagtaagtt 3420
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 170 ccaataaatg ccatattgct ttgtctgcat tagaagctgt ttgtttccaa actcgagagg 4740
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172 ttaacacccg agatttatcc agtactgaaa atgtagttaa tcaaatatta aggctgccta 4860
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178 taggctcttg gaagctcttg agagtttctg agtggaggat tgccattttc agagatgtta 5220
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 223 ttgccaaaac tgaaatcctt cagatgtttt ccatgggtccc actaattata atgactttct 7920
 224 gtctgggtct tataggaaaa gatactttct tttttcttcc atctttcctt tttatatttt 7980
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227 <210> SEQ ID NO: 6

228 <211> LENGTH: 41

229 <212> TYPE: PRT

230 <213> ORGANISM: Unknown ✓

232 <220> FEATURE:

233 <223> OTHER INFORMATION: GK N288D mutant ✓

235 <400> SEQUENCE: 6

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238 Leu Cys Asp Thr Gly His Lys Cys Val Phe Ser Asp His Gly Leu Leu

239 20 25 30

240 Thr Thr Val Ala Tyr Lys Leu Gly Arg

241 35 40

244 <210> SEQ ID NO: 7

245 <211> LENGTH: 41

246 <212> TYPE: PRT

247 <213> ORGANISM: Homo sapiens

249 <400> SEQUENCE: 7

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251 1 5 10 15

252 Leu Cys Asn Thr Gly His Lys Cys Val Phe Ser Asp His Gly Leu Leu

253 20 25 30

254 Thr Thr Val Ala Tyr Lys Leu Gly Arg

255 35 40

258 <210> SEQ ID NO: 8

259 <211> LENGTH: 41

260 <212> TYPE: PRT ✓

261 <213> ORGANISM: Unknown

263 <220> FEATURE:

264 <223> OTHER INFORMATION: Rat ✓

266 <400> SEQUENCE: 8

267 Phe Gln Asp Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Leu

268 1 5 10 15

269 Leu Cys Asn Thr Gly His Lys Cys Val Phe Ser Glu His Gly Leu Leu

270 20 25 30

271 Thr Thr Val Ala Tyr Lys Leu Gly Arg

272 35 40

275 <210> SEQ ID NO: 9

276 <211> LENGTH: 41

277 <212> TYPE: PRT ✓

278 <213> ORGANISM: Unknown

280 <220> FEATURE:

281 <223> OTHER INFORMATION: Mouse ✓

VERIFICATION SUMMARY

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DATE: 08/02/2001

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Input Set : A:\28251022003.txt

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L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5